

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB REPORT/abd. _____DATE FILED 12-1-86LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. U=56186 INDIAN _____DRILLING APPROVED: 12-5-86

SPUDDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: 5089' 80"DATE ABANDONED: 10-05-88FIELD: WILDCAT Kachina J-87

UNIT: _____

COUNTY: SAN JUANWELL NO. HAVASU FEDERAL 12-19 API #43-037-31296LOCATION 2180' FNL FT. FROM (N) (S) LINE. 261' FWL FT. FROM (E) (W) LINE. (Irregular) SW NW 1/4 -- 1/4 SEC. 19

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				<u>38S</u>	<u>24E</u>	<u>19</u>	<u>MERIDIAN OIL, INC.</u>

MERIDIAN OIL

November 26, 1986

State of Utah Natural Resources
Oil, Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Arlene Sollis

RECEIVED
DEC 01 1986

DIVISION OF
OIL, GAS & MINING

Re: Application for Permit to Drill
12-19 Havasu-Federal
SWNW Section 19-38S-24E
San Juan County, Utah
Federal Lease No. U-56186

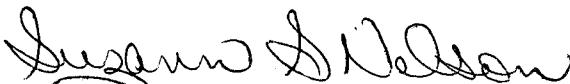
Gentlemen:

Enclosed are three copies of Form 3160-3, Application for Permit to Drill with attachments for the above referenced location.

Please be advised that Meridian Oil Inc. requests that all pertinent data for this location be granted TIGHT HOLE status.

If you have any questions, please do not hesitate to call me at 406-256-4122.

Sincerely,



S. S. Nelson
Sr. Operations Technician

ssn

Encl

1175N

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

MERIDIAN OIL INC.

3. ADDRESS OF OPERATOR

P. O. Box 1855, Billings, MT 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)

At surface

SWNW (2180' FNL - 461' FWE)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

5 miles northwest of Hatch Trading Post

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 461'
(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1000'

16. NO. OF ACRES IN LEASE

3427.68

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

19. PROPOSED DEPTH

6084'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5089' GL (graded)

22. APPROX. DATE WORK WILL START*

1st Quarter, 1987

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	13-3/8	48#	80	Redi-Mix to surface
11	8-5/8	24#	1,900	Single Stage. Cmt to sfc w/360
7-7/8	5-1/2	15.5#	6,084	16% gel + 3% salt + 16% gel + .2% rtrdr & 110 sx "B" + 2% CaCl ₂ Single Stage. TOC @ 1500'. Caliper log + 20% excess. "B" 16% gel + 3% salt + .4% rtrdr & "B" + 3% Kcl + .8% fluid loss

Oil and Gas Order #1

Attachments:

Survey Plat

Eight Point Drilling Program

Thirteen Point Surface Use Plan

CONFIDENTIAL INFORMATION

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 12-5-86

BY: *R. Bays*

WELL SPACING: 302

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED *R. C. Winstead* TITLE Sr. Drilling Engineer DATE 11/25/86

(This space for Federal or State office use)

PERMIT NO.

43-037-31296

APPROVAL DATE

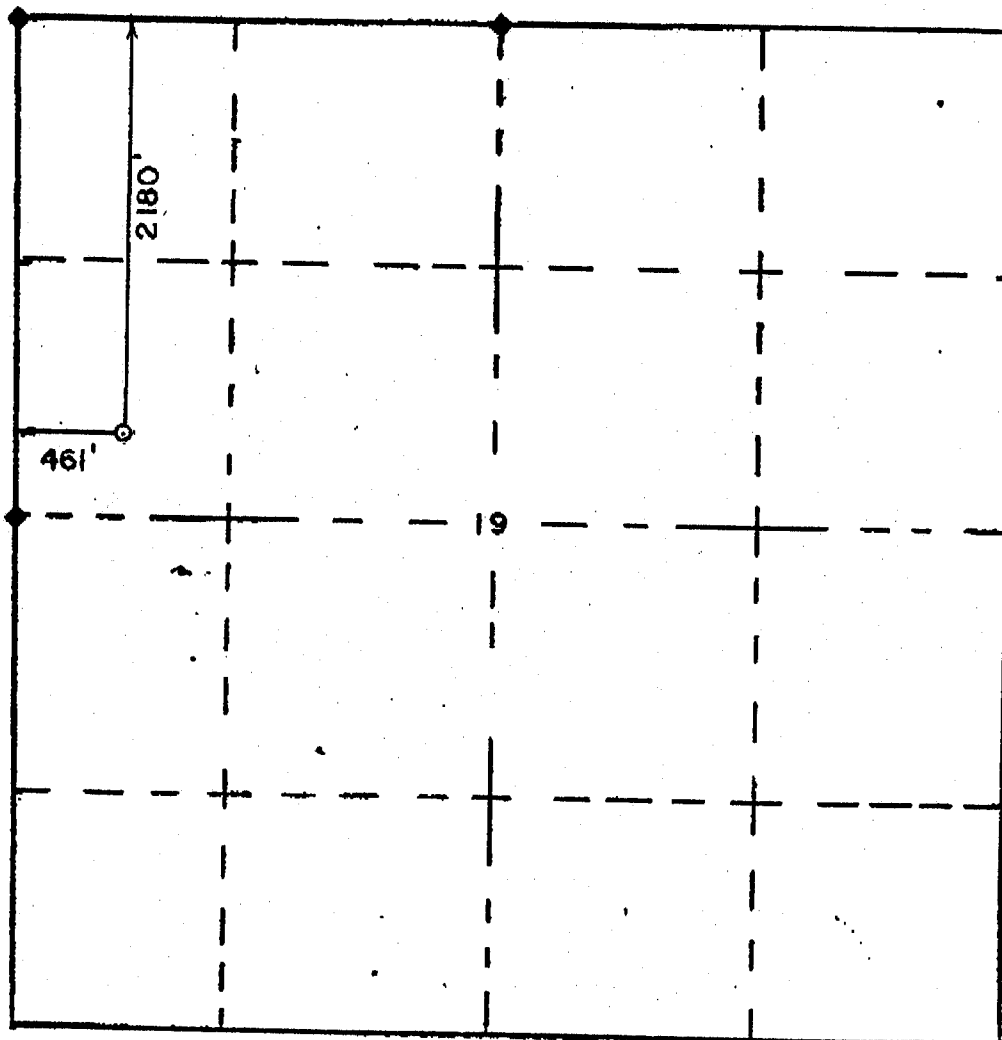
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

**WELL LOCATION DESCRIPTION:**

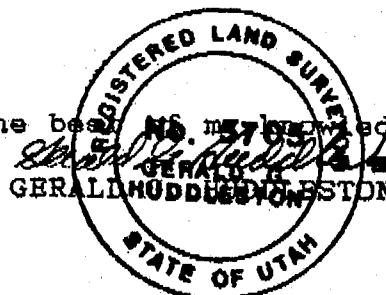
Meridian Oil 12-19 Havasu Federal
2180' FNL & 461' FWL

Section 19, T.38 S., R.24 E., SLM
San Juan County, Utah

5090' ground elevation

Reference: N46° W 729.07', 5110' grd.
6 Nov. 1986

The above is true to the best of my knowledge.



1367N

OIL AND GAS ORDER NO. 1

MERIDIAN OIL INC.

LEASE NAME: 12-19 Havasu-Federal
LEASE NO. U-56186
LOCATION: SWNW Section 19-38S-24E
2180' FNL - 461' FWL
San Juan County, Utah
Havasu Prospect

A. EIGHT POINT DRILLING PROGRAM

1. & 2. Estimated Tops:

Morrison	Surface	
Entrada	730	
Navajo	918	fresh water
Chinle	1860	
Shinarump	2850	
Cutler	2970	
Hermosa	4722	
Upper Ismay	5662	oil
Top Porosity	5688	
A Shale	5795	
Lower Ismay	5823	
Desert Creek	5913	oil
Chimney Rock	5995	
Akah	6018	
TD	6084	

3. Pressure Control Equipment:

- a. A 3000 psi WP wellhead will be installed on the surface casing. A 3000 psi WP Annular preventer and 3000 psi WP double gate preventer equipped with blind and pipe rams will be nipped up on wellhead.
- b. BOP systems will be consistent with API RP 53. Annular preventer will be tested to 1500 psi against casing. Pipe and blind rams, choke line and manifold will be tested to 2000 psi against casing. Casing will be tested to 2000 psi prior to drilling float shoe. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventor controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

4. Casing program:

Anticipated cement tops will be reported as to depth, not the expected number of sacks. The San Juan Resource Area will be notified 1 day before running casing strings and cement.

O&G Order No. 1
 12-19 Havasu-Federal
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Hole Size	Size	Depth	Casing				Cementing Program
			Weight	Grade	Thrd	Cond	
17-1/2	13-3/8	80	48#	H-40	ST&C	New	Redi-Mix to surface.
11	8-5/8	1,900	24#	K-55	ST&C	New	Single stage. Cement to sfc w/360 sx "B" + 3% salt + 16% gel + .2% retarder & 110 sx "B" + 2% CaCl ₂ .
7-7/8	5-1/2	6,084	15.5#	K-55	LT&C	New	Single stage. TOC @ 1500'. Caliper log + 20% excess. "B" + 16% gel + 3% salt + .4% retarder & "B" + 3% Kcl + .8% fluid loss.

5. Proposed drilling mud program:

A water base mud system from surface to TD. Maximum anticipated mud weight is 9.3#/gallon.

A mud logging unit will be on location from 3300' to TD.

6. Testing program:

Upper Ismay - Probable
 Desert Creek - Possible

Logging program:

GR/DLL/MSFL Base surface casing to TD (GR to surface)
 GR/CNL/FDC Base surface casing to TD
 GR/Sonic Base surface casing to TD (GR to surface display)
 Directional Survey Base surface casing to TD
 Dipmeter: If Desert Creek indicates productive.

Coring program:

2 cores (1 - 60' and 1 - 30') are planned in the Upper Ismay.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analysis, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. If requested, samples (cuttings, fluids, and/or gases) will be submitted to the District Manager.

7. Anticipated abnormal BHP or BHT:

No abnormal BHP or BHT are expected in this well.

Potentially hazardous conditions anticipated:

No H₂S has been found, reported or is known to exist at these depths in this area.

8. Anticipated Starting Dates and Notifications of Operations

The operator will contact the San Juan Resource Area at 801-587-2141, 48 hours before beginning any dirt work.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the San Juan Area Manager, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5) will be sent within 24 hours after spudding, reporting the spud date and time. The Sundry will be sent to the District Manager. If the spudding is on a weekend or holiday, the Sundry will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329, "Monthly Report of Operations," starting with the month in which operations begin and continue each month until the well is physically plugged and abandoned. This report will be sent to the BLM District Office, P. O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.

If a replacement rig is planned for completion operations, a Sundry Notice (Form 3160-5) to that effect will be filed, for prior approval of the District Manager. All conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergencies, verbal approval can be given by the District Petroleum Engineer.

If the well is successfully completed for production, then the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 business days following the date on which the well is placed on production.

No well abandonment operations will begin without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergencies, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5), will be filed with the District Manager, within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration.

Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the San Juan Area Manager, or the appropriate surface manager.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The following information will be permanently beaded-on with a welding torch: Fed. well number, location by 1/4 1/4 section, township and range, Lease number.

A first production conference will be scheduled within 15 days after receipt of the first production notice. The San Juan Area Manager will schedule the conference.

Other: A separate rig will be used for completion operations.

The following may be inspected and/or witnessed:

1. The cementing and testing of surface casing.
2. (Dry Hole) Setting and testing of surface casing shoe plug.
3. (Depleted Producer) The setting and testing of plugs across the producing horizon and if applicable, the surface casing shoe plug and/or annulus (casing to formation) squeeze jobs.

Notify the San Juan Resource Area (Mike Wade) one day or on dry hole as soon as possible prior to the above at (801) 587-2141 (Home) (801) 587-2026 or if unable to reach Mike, call Moab District office Greg Noble at (801) 259-6111 (Home) (801) 259-8811.

B. THIRTEEN POINT SURFACE USE PLAN

1. Existing Roads (Yellow)

- a. Location of proposed well in relation to town or other reference point:
5 miles northwest of Hatch Trading Post.
- b. Proposed route to location. (See attached Exhibit "1").
- c. Existing and new access shall be maintained in good or better condition.
- d. An encroachment permit will be obtained from the San Juan County Road Department.

2. Planned Access Roads (Blue)

- a. The maximum total width will be 30 feet for 3/8 mile.
- b. Maximum grade is N/A.
- c. Turnouts will be constructed as needed.
- d. Road is centerline flagged.
- e. Road will be drained as needed.
- f. If access is utilized during wet winter weather, road surfacing may be required to prevent road maintenance problems.

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance by the San Juan Area Manager.

The access road will be water barred or brought to Class III Road Standards within 60 days of dismantling of the drill rig. If this time frame cannot be met, the San Juan Area Manager will be notified so that temporary drainage control can be installed along the access road.

The Class III Road Standards which ensure drainage control over the entire road through the use of natural, rolling topography; ditch turnouts; drainage dips; outsloping; crowning; low water crossing; and culverts will be determined at the appropriate field inspection.

3. Location of Existing Wells (1 mile radius)

- a. Existing wells in the area are shown on attached Exhibit "1".

4. Location of Existing and/or Proposed Facilities if Well is Productive

Battery facility is shown on attached Exhibit "4".

All permanent (on site for 6 months or longer) above ground facilities (including pump jacks) will be painted a flat, nonreflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5-State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The color will be Desert Brown.

All flowlines will be buried parallel to existing roads unless authorized otherwise by BLM.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place before any deliveries. Tests for meter accuracy will be conducted monthly for the first 3 months on new meter installations and at least quarterly thereafter. The San Juan Area Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the San Juan Area Manager. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply

All water needed for drilling purposes will be hauled by Hay Hot Oil Service, a commercial water hauler, from a private source.

Use of water for this operation will be approved by obtaining a temporary use permit from the Utah State Engineer, (801) 637-1303 and by receiving permission from the landowner or surface management agency to use the land containing the water source.

6. Source of Construction Materials

Native soil materials from drilling location and access trail, which is available, will be used. Any additional materials needed will be hauled in from authorized commercial sources.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

7. Methods for Handling Waste Disposal

The reserve pit will not be lined with commercial bentonite sufficient to prevent seepage. At least half of the capacity will be in cut.

Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

A trash pit will be constructed near the mud tanks and dug at least six feet into solid undisturbed material. It will be totally enclosed with a fine wire mesh before the rig moves in. The road and pad will be kept litter free.

A burning permit is required for burning trash between May 1 and October 31. This can be acquired by contacting the San Juan County Sheriff (801) 587-2237.

Produced waste water will be confined to a (unlined) pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

8. Ancillary Facilities

Camp facilities will not be required.

9. Well Site Layout

Rig layout is shown on attached Exhibit "9a".

Cuts and fills are shown on attached Exhibit "9b".

The reserve pit will be located on the west side of the well pad.

The top 12 inches of soil material will be removed from the location and stockpiled on the west side of well pad. Topsoil along the access will be reserved in place.

Access to the well pad will be from the north, along ripped seismic line.

10. Reclamation:

- a. Immediately on completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the trash pit and will then be compacted and buried under a minimum of two feet of compacted soil.
- b. The operator/holder or his contractor will contact the San Juan Resource Area office in Monticello, Utah, (801) 587-2141, 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
- c. Before any dirt work to restore the location takes place, the reserve pit must be completely dry.
- d. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.
- e. The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 12 inches deep with the contour.
- f. Water bars will be built as follows to control erosion.

<u>Grade</u>	<u>Spacing</u>
2%	Every 200 feet
2-4%	Every 100 feet
4-5%	Every 75 feet
5+%	Every 50 feet
- g. Seed will be broadcast between October 1 and February 28 with the following prescription. A harrow or similar implement will be dragged over the area to assure seed cover.

<u>2</u>	lbs/acre Galleta (<u>Hilaria jamesii</u>)
<u>2</u>	lbs/acre crested wheatgrass (<u>Agropyron desertorum</u>)
<u>2</u>	lbs/acre Western wheatgrass (<u>Agropyron smithii</u>)
<u>2</u>	lbs/acre Fourwing saltbush (<u>Atriplex canescens</u>)
- h. After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access.
- i. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

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12-19 Havasu-Federal
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11. Surface Ownership: Federal
Mineral Ownership: Federal

12. Other Information

Dike on uphill side of location will divert drainage.

There will be no change from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All people who are in the area will be informed by the operator/holder that they are subject to prosecution for disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will be done by a BLM approved archaeologist only if damage occurs.

This permit will be valid for a period of one year from the date of approval. After permit termination a new application will be filed for approval for any future operations.

Your contact with the District Office is: Greg Noble
Office Phone: 801-259-6111 Address: P. O. Box 970, Moab, UT 84532

Resource Area Manager's Address and contacts:
Address: P. O. Box 7, Monticello, UT 84535

Your contact is: Rich McClure
Office Phone: 801-587-2141

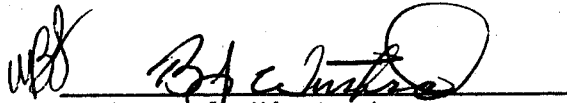
13. Lessee or Operator's Field Representative and Certification

Meridian Oil Inc.
P. O. Box 1855
Billings, Montana 59103

1. Johnny L. Wright, Drilling Supt.	406-256-4175	406-252-2889
2. Bill Lloyd, Drilling Engineer	406-256-4129	406-252-2328
3. John Pulley, Completion Supt	406-256-4124	406-259-6156
4. Barry Winstead, Sr. Drilling Engineer	406-256-4030	406-656-7521

CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct, and, that the work associated with the operations proposed herein will be performed by Meridian Oil Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

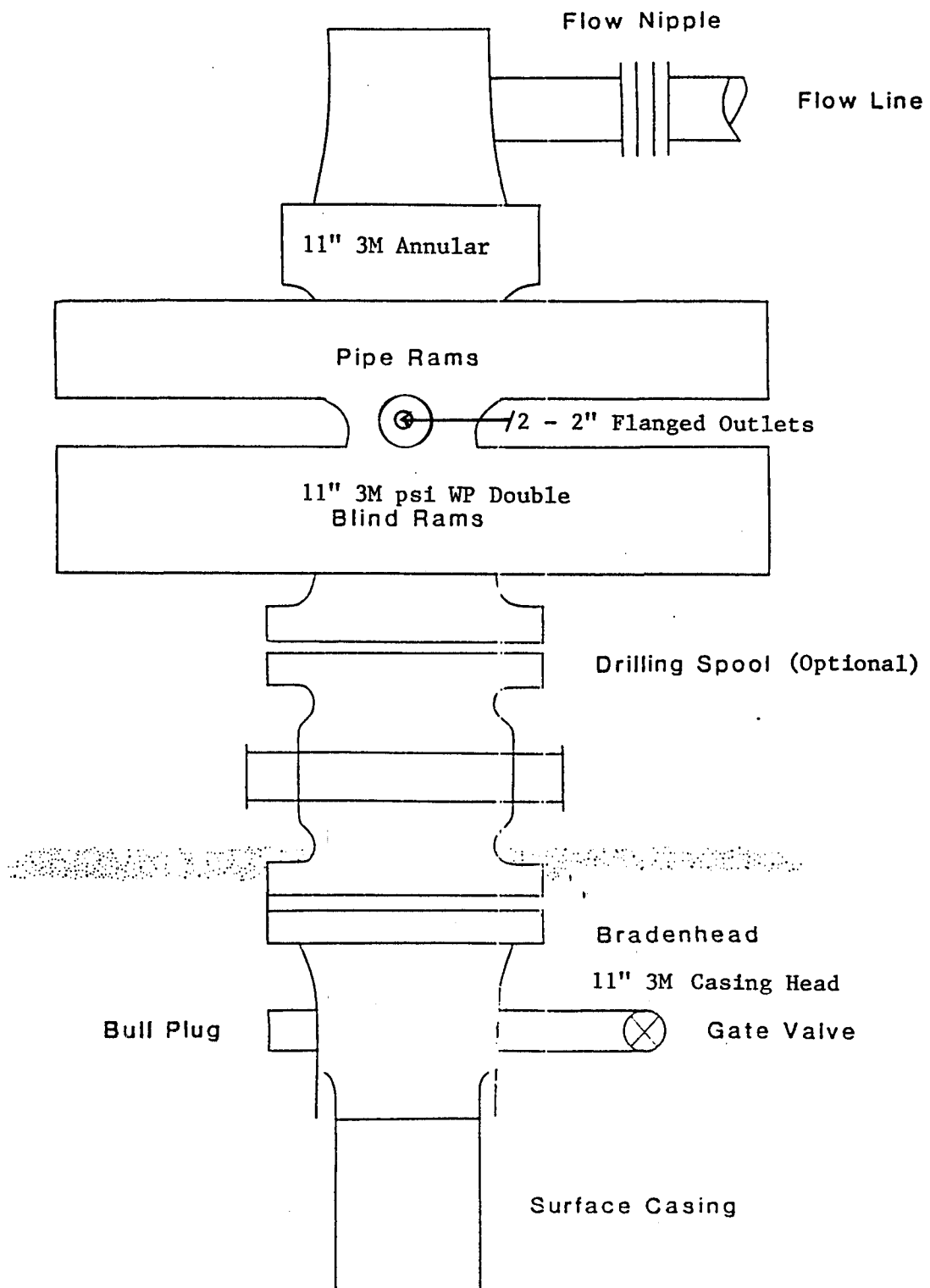

Barry J. Winstead
Sr. Drilling Engineer


Date 11/25/86

ssn

CONFIDENTIAL INFORMATION

TYPICAL B.O.P. INSTALLATION



Series 900 Double Gate B.O.P.,
rated at 3000 psi Working Pressure.

When gas drilling operations begin a Shaffer type 50 or equivalent rotating head is installed on top of the flow nipple and the flow line is converted into a blowie line.

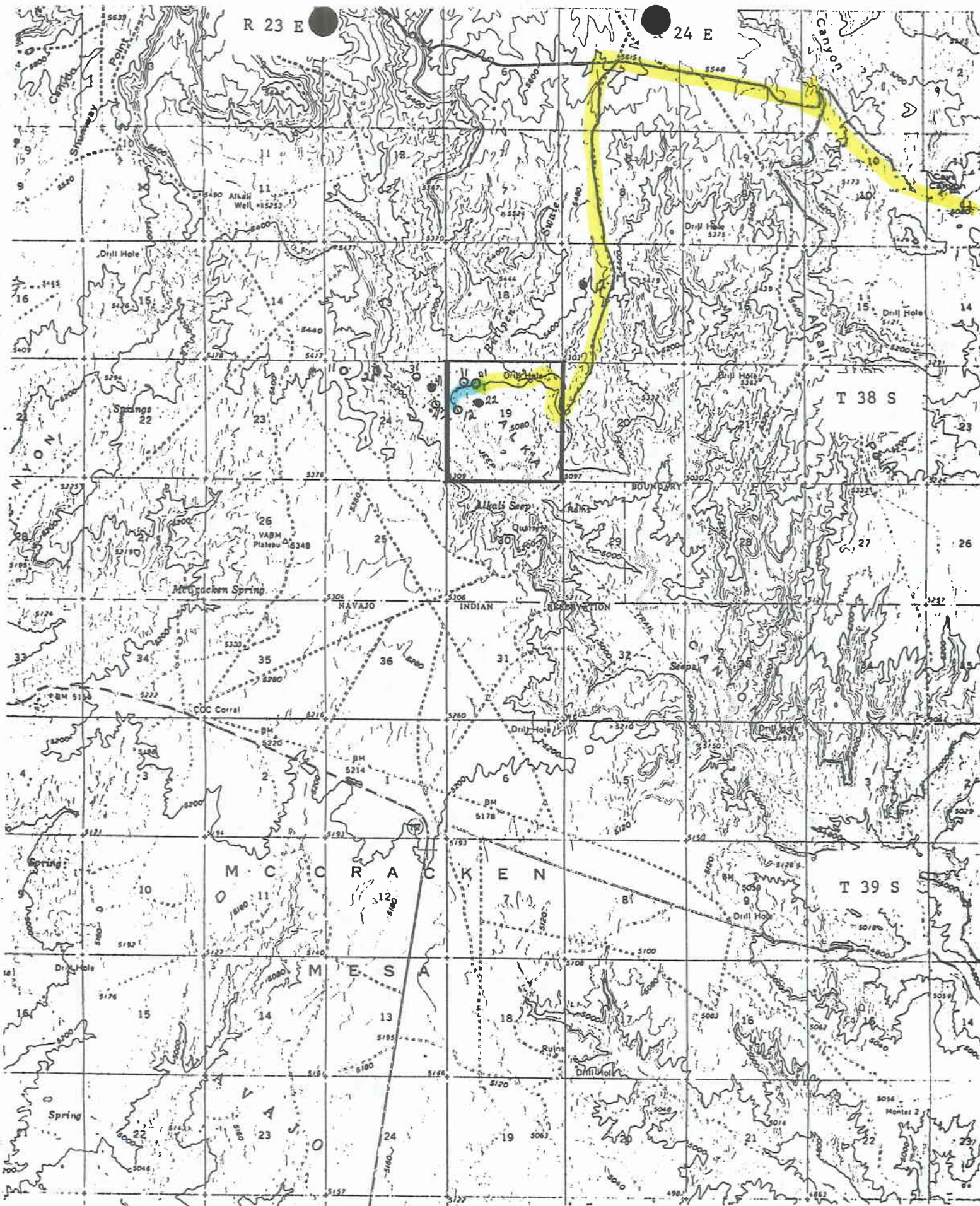


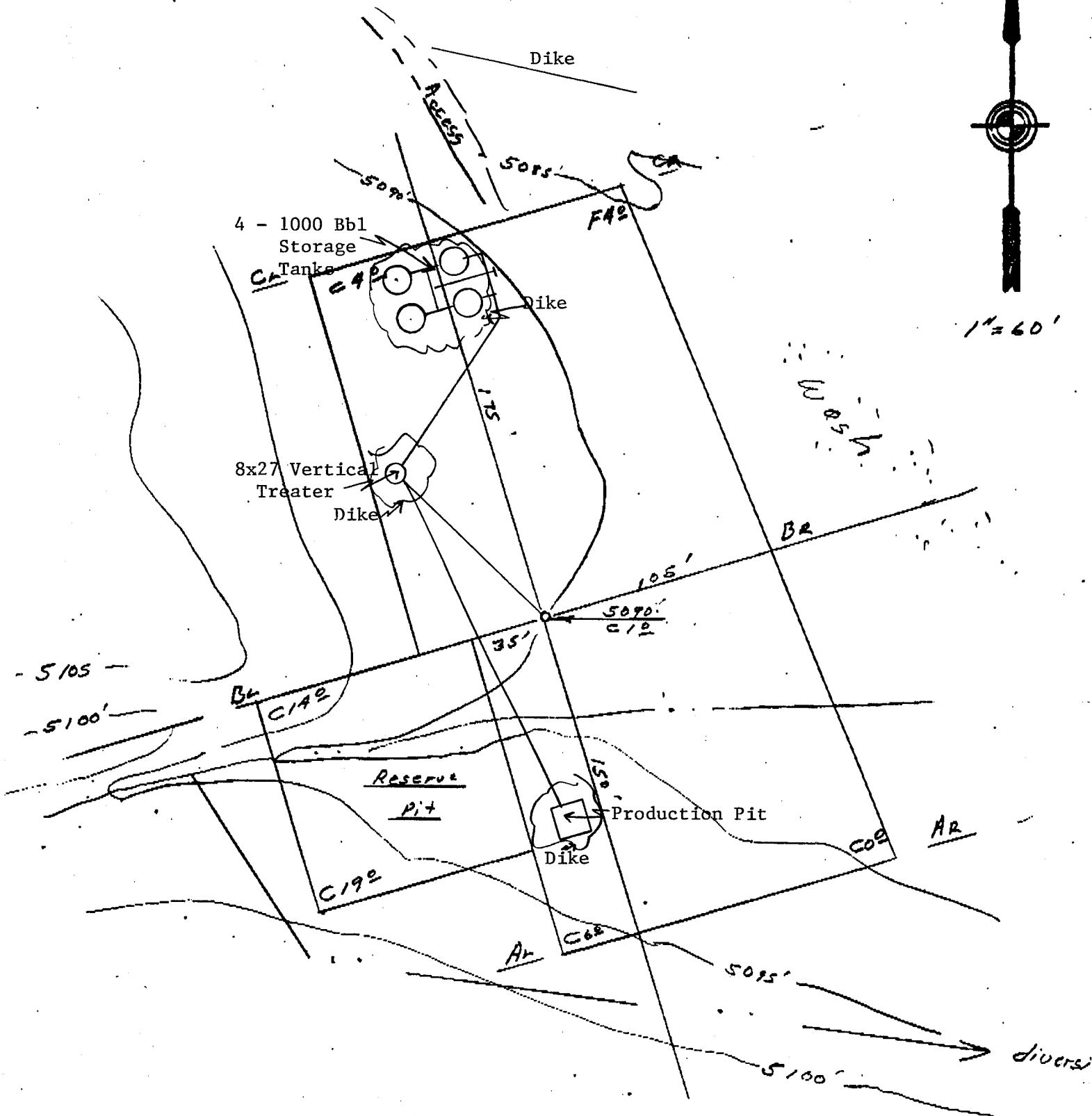
EXHIBIT "1"
12-19 Havasu-Federal

WELL PAD PLAN VIEW

12-19



1"=60'



WELL PAD PLAN VIEW

12-19



1"=60'

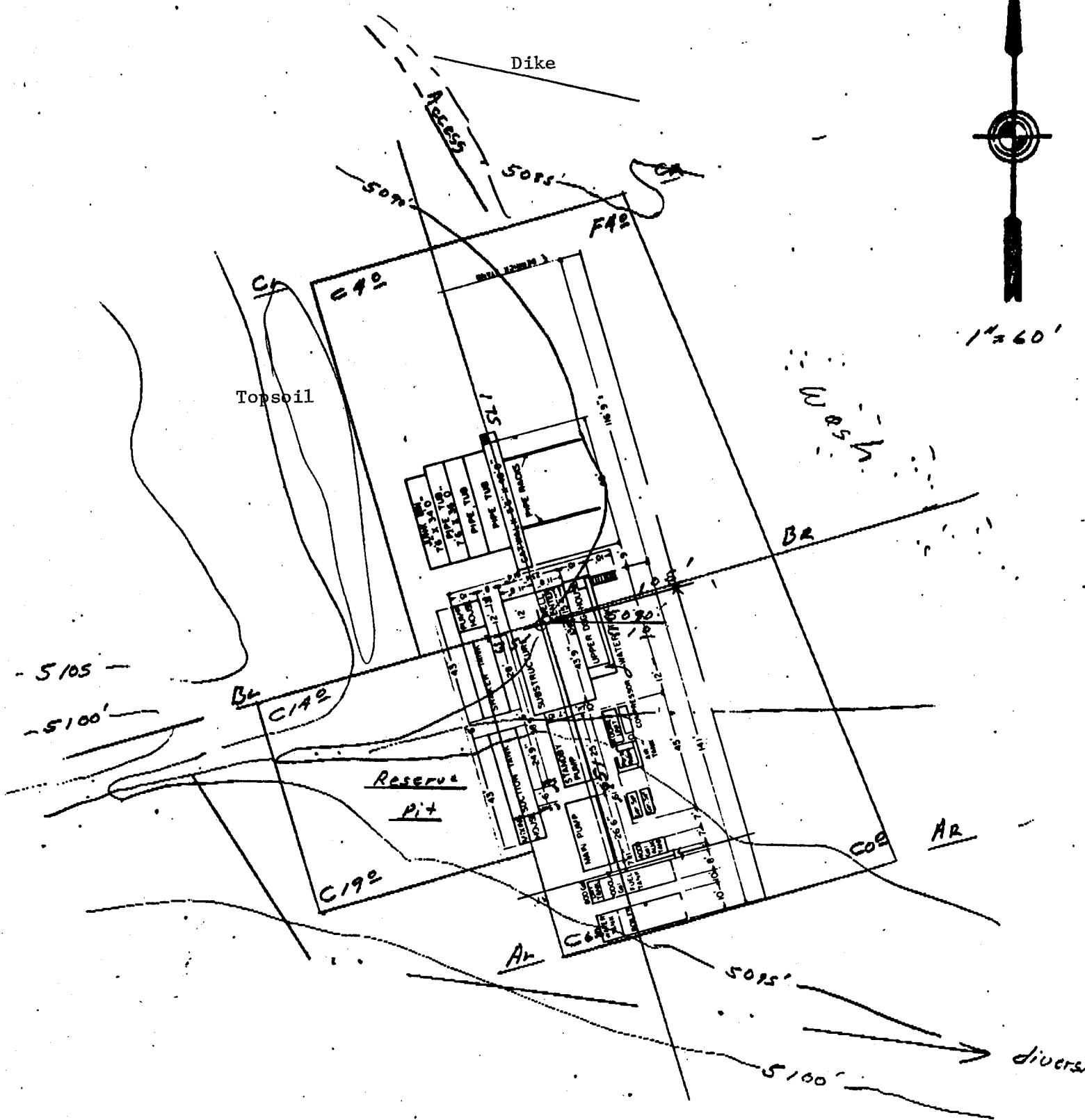


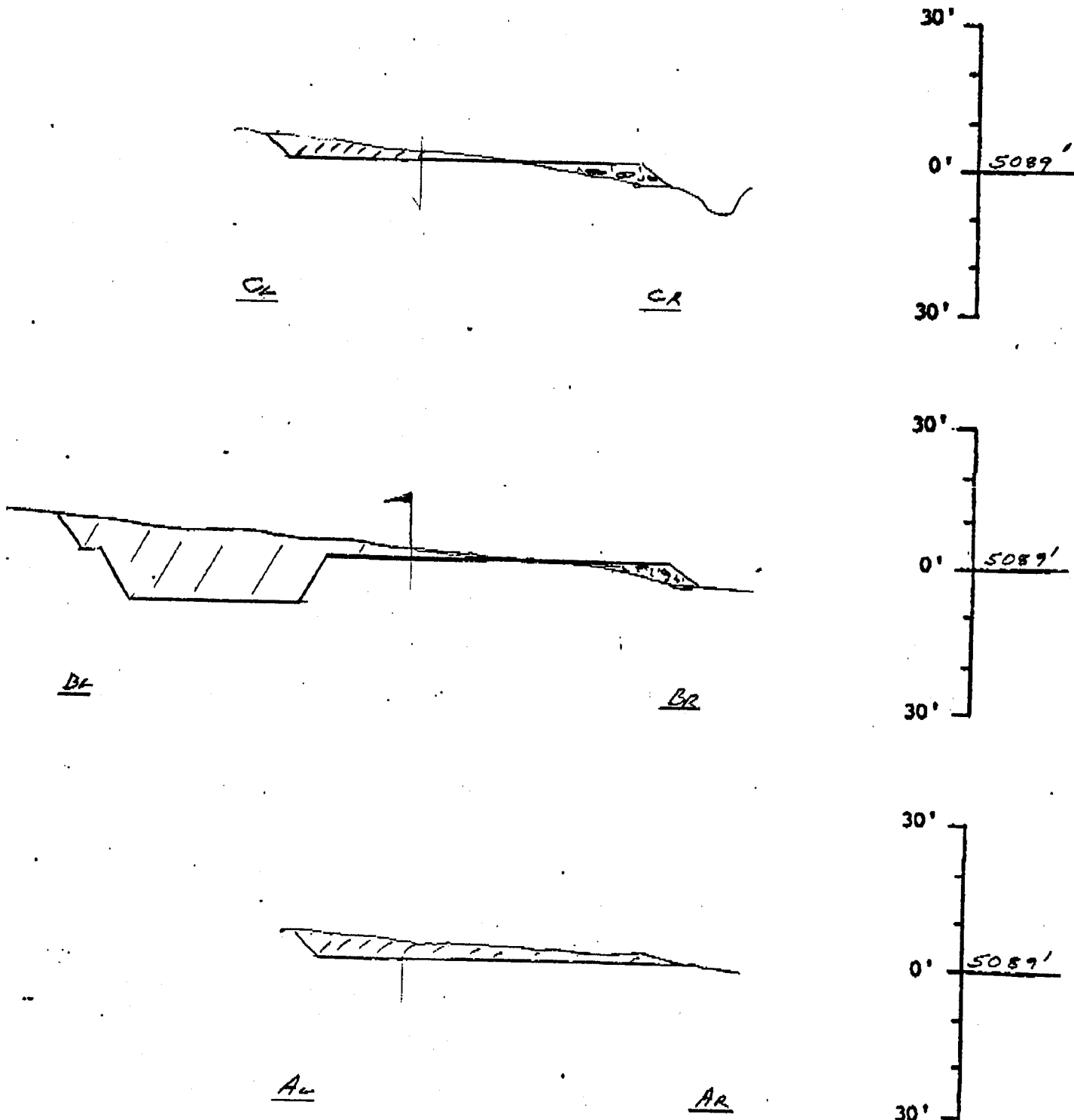
EXHIBIT "9a"
Rig Layout

WELL PAD CROSS-SECTION

12-19

Cut ////
Fill ||||

Scales: 1" = 60' H.
1" = 30' V.



CONFIDENTIAL

121018

OPERATOR Meridian Oil, Inc DATE 12-3-86

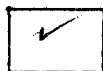
WELL NAME Haven ^{Section} 12-19

SEC SW NW 19 T 38 S R 24 E COUNTY San Juan
Irregular Section

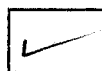
43-037-31296
API NUMBER

Std.
TYPE OF LEASE

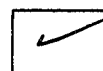
CHECK OFF:



PLAT



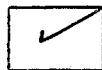
BOND



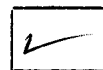
NEAREST
WELL



LEASE



FIELD



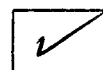
POTASH OR
OIL SHALE

PROCESSING COMMENTS:

R / State spacing
Need water permit

APPROVAL LETTER:

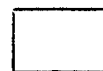
SPACING: ☐ 203 _____ UNIT



302



CAUSE NO. & DATE



302.1

STIPULATIONS:

1- Water



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

December 5, 1986

Meridian Oil, Inc.
P. O. Box 1855
Billings, Montana 59103

Gentlemen:

Re: Havasu Federal 12-19 - (Irregular) SW NW Sec. 19, T. 38S, R. 24E
2180' FNL, 461' FWL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule 302, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2
Meridian Oil, Inc.
Havasu Federal 12-19
December 5, 1986

5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31296.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
8159T

CONFIDENTIAL
O.S.M.

38 S 24E
S.C. 19

43-037-31287 Pow

43-037-31314 Orl. (cont.)

43-037-31301 Orl. (cont.)

43-037-31282 Pow

43-037-31278 Pow

43-037-31302 Orl. (cont.)

43-037-31296 Orl. (cont.)

~~43-037-31295~~

43-037-31300 Orl. (cont.)

CONFIDENTIAL
O.S.M.

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
UTAH STATE OFFICE

REC'D MCO AUG 10 1988

020831

OIL OR HAZARDOUS SUBSTANCE DISCHARGE

1. Investigation Number _____ Date of Spill 1-26-88 Time AM (Military)
Spill Notification: By _____ Date _____ Time _____
Investigators NONE YET
Investigation Date _____ Time _____ Investigation Time (man/hrs) _____
EPA Notification NA State Division of Health Notification NA

2. Place of spill ALKALI CANYON
Legal Description T38S R24E ALLE 19
County SAN JUAN Nearest Town BLANDING UTAH
Did spill enter a waterway? NO If so, name _____ class _____
Extent of spill 230 BARRELS
Type of spill (Region III: Contingency Plan Definitions) major _____ medium X
minor _____
Responsible Pollutor MEDICINE OIL Address PILLINGS ROAD
Contact Person (if known) WILL HOGAN Phone Number 266 256 4.21

Type of Operation - check one:

Pipeline _____ Tank Battery X
Drilling _____ Transportation _____
Refinery _____ List Vehicle _____
Other _____

Type of Oil or Product and Amount:

Gasoline _____ Crude X
Kerosene _____ Other _____
(RETURN)

Cause of spill LEAK IN LINE FROM LAC METER TO SLOP TANK
LEST OIL CONTAINED WITHIN FIREWALL.

3. Draw a simple map showing permanent landmarks and extent of spill on the reverse side of this page.

4. Cleanup Operations: Date of Cleanup Completion 1-26-88 Time _____

Methods - check those which apply:

Burning X Absorption _____
Skimming X Burial X
Pumping X Other (explain) _____

Brief summary of cleanup operation (problem, etc.)

OIL CONTAINED WITHIN FIREWALL WILL BE PUMPED OUT. REMAINING
OIL WILL BE BURNED AND ANY RESIDUE REMOVED TO RESERVE PIT
ON 42-24

5. Remarks _____

RECEIVED -56186)
OCT 20 1988

Moab District
P. O. Box 970
Moab, Utah 84532

DIVISION OF
OIL, GAS & MINING

OCT 18 1988

Meridian Oil Inc.
P. O. Box 1855
Billings, MT 59103

Re: Rescinding Application for Permit
to Drill
Well No. Havasu-Federal 12-19
(Footages - 2180' FNL and 461' FWL)
Sec. 19, T. 38 S., R. 24 E.
San Juan County, Utah
Lease U-56186

43-037-31296

Gentlemen:

The Application for Permit to Drill the above well was approved December 15, 1986. Since that time, there has been no activity at this location.

In view of the foregoing, we are rescinding your Application for Permit to Drill. A new application was submitted October 3, 1988 and is in the process of being permitted at this time.

If you have any questions, please contact the Branch of Fluid Minerals (801) 259-6111.

Sincerely yours,

/s/ Gary L. Hansen

District Manager

cc: San Juan Resource Area

ACTION

State of Utah, Division of Oil, Gas and Mining ✓
Salt Lake City, Utah

bcc: USO, U-942

CFreudiger/cf 10/13/88

CONFIDENTIAL

OIL AND GAS	
DRN	RJF
GLH	GLH
SLS	SLS
1-TAS	
2-	MICROFILM ✓
3-	FILE



State of Utah

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

October 25, 1988

Meridian Oil Inc.
P.O. Box 1855
Billings, MT 59103

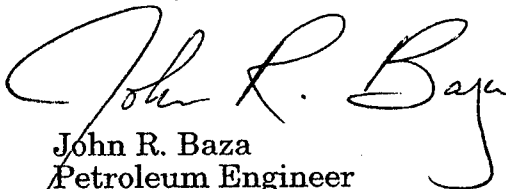
Gentlemen:

Re: Havasu-Federal 12-19, Sec.19, T.38S, R.24E, San Juan County, Utah
API NO. 43-037-31296

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,



John R. Baza
Petroleum Engineer

tc

cc: D. R. Nielson
R. J. Firth
BLM-Moab
Well file

0327T